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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets necessary)				COMPLETE IF KNOWN	
				Application Number	Unknown <u>10/076,600</u>
				Filing Date	Herewith
				First Named Inventor	Chi Wu
				Group Art Unit	Unknown <u>2874</u>
				Examiner Name	Unknown <u>Healy</u>
SHEET	1	OF	6	Docket Number	LIGHT1420-1

 J5828 U.S. PTO
 10/076600
 02/15/02

U.S. PATENT DOCUMENTS						CLASS	SUB-CL.
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
		Number	Kind Code ² (if known)				
<u>BWH</u>	1	4,618,210		Kondo	10-21-1986	385	14X
<u>BWH</u>	2	4,747,654		Yi-Yan	03-31-1988	385	37X
<u>BWH</u>	3	4,813,757		Sakano et al.	03-21-1989	385	19X
<u>BWH</u>	4	4,846,542		Okayama	07-11-1989	385	16X
<u>BWH</u>	5	5,002,350		Dragone	03-26-1991	385	24X
<u>BWH</u>	6	5,013,113		Soref	05-07-1991	385	14X
<u>BWH</u>	7	5,039,993		Dragone	08-13-1991	343	726
<u>BWH</u>	8	5,243,672		Dragone	09-07-1993	385	46
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<u>BWH</u>	10	5,450,511		Dragone	09-12-1995	385	37
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<u>BWH</u>	14	5,841,931		Foresi et al.	11-24-1998	385	131
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<u>BWH</u>	17	6,118,909		Chen et al.	09-12-2000	385	15

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear		
		Office ³	Number ⁴	Kind Code ⁵ (if known)					
<u>BWH</u>	18	EPO	0647861A1		AT&T Corp.	12.04.1995	385	11X	
<u>BWH</u>	19	EPO	0985942A2		Lucent Technologies, Inc.	15.03.2000	385	24X	
<u>BWH</u>	20	Japan	2-179621		Ok Electric Ind. Co. Ltd.	12.7.1990	385	18X	
<u>BWH</u>	21	Japan	6-186598		Hitachi Ltd.	8.7.1994	385	18X	
<u>BWH</u>	22	Japan	63-197923		NEC Corp.	16.8.1988	385	18X	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				T ⁶
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		
<u>BWH</u>	23	ABE, et al., <i>Optical Path Length Trimming Technique using Thin Film Heaters for Silica-Based Waveguides on Si</i> , Electronics Letters, September 12, 1996, Vol. 32-No. 19, pp. 1818-1820.		
<u>BWH</u>	24	ALBERT, J., <i>Planar Fresnel Lens Photoimprinted in a Germanium-Doped Silica Optical Waveguide</i> , Optics Letters, May 15, 1995, Vol. 20-No. 10, pp 1136-1138		
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Examiner Signature	<u>B. Healy</u>	Date Considered	<u>6/17/04</u>
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				First Named Inventor	Chi Wu
				Group Art Unit	Unknown
				Examiner Name	Unknown
SHEET	2	OF	6	Docket Number	LIGHT420-1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²	
BWH	26	AMANN, M.C. et al, Calculation Of The Effective Refractive-Index Step For The Metal-Cladded-Ridge-Waveguide Laser, Applied Optics, VOL 20, No.8, Apr 15 1981, pg 1483-1486		
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BWH	47	FISCHER, K. et al, Sensor Application Of SiON Integrated Optical Waveguides On Silicon; Elsevier Sequoia, 1992; pg 209-213		
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BWH	51	GOEL, K. et al Design Considerations for Low Switching Voltage Crossing Channel Switches; Journal of Lightwave Technology, VOL 6, No.6, June 1988; pg 881-886		

Examiner Signature	B. Healy	Date Considered	6/17/04
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Substituted for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets necessary)				COMPLETE IF KNOWN	
				Application Number	Unknown 10/076,600
				Filing Date	Herewith
				First Named Inventor	Chi Wu
				Group Art Unit	Unknown 2874
				Examiner Name	Unknown Healy
SHEET	3	OF	6	Docket Number	LIGHT1420-1

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	Ts	
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BWH	57	INOUE, H. et al., <i>Low Loss GaAs Optical Waveguides</i> , Journal of Lightwave Technology, VOL LT-3, No.6, Dec. 1985; pg 204-209		
BWH	58	IRACE, A. et al., <i>Fast Silicon-on-Silicon Optoelectronic Router Based on a BMFET Device</i> , Journal of Selected Topics in Quantum Electronics, January/February 2000, Vol. 6-No. 1, pp. 14-18.		
BWH	59	ITO, F. et al., <i>Carrier-Injection-Type Optical Switch in GaAs With A 1.06-1.55 μm Wavelength Range</i> , Appl. Physics Letters, 54(2) Jan 9, 1989; pg 134-136		
BWH	60	JACKMAN, N. et al., <i>Optical Cross Connects for Optical Networking</i> , Bell Labs Technical Journal, Jan-Mar. 1999; pg 262-281		
BWH	61	JOHNSTON, I.R., et al., <i>Silicon-Based Fabrication Process For Production Of Optical Waveguides</i> , IEE Proc-Optoelectron., VOL 143, No.1, Feb 1996, pg 37-40		
BWH	62	KAENKO, A. et al., <i>Athermal Silica-based Arrayed-waveguide Grating (AWG) Multiplexers with New Low Loss Groove Design</i> , TuO1-1, pg 204-206		
BWH	63	KASAHARA, R. et al., <i>Low-Power Consumption Silica-Based 2x2 Thermo-optic Switch Using Trenched Silicon Substrate</i> , IEEE Photonics Technology Letters, VOL 11, No. 9, Sep 1999, pg 1132-1134		
BWH	64	KHAN, M.N. et al., <i>Fabrication-Tolerant, Low-Loss, and High-Speed Digital Optical Switches in InGaAsP/InP Quantum Wells</i> , Proc 21 st Eur.Conf.on Opt.Comm.(ECOC '95-Brussels), pg 103-106		
BWH	65	KHAN, M.N. et al., <i>High-Speed Operation of Quantum Well Electron Transfer Digital Optical Switches</i> , pg 102-102c		
BWH	66	KIRIHARA, T. et al., <i>Lossless And Low Crosstalk 4x4 Optical Switch Array</i> , Electronics And Communications In Japan, Part 2, VOL 77, No.11, 1994, pg 73-81		
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BWH	71	KOKUBUN, Y. et al., <i>Three-Dimensional Athermal Waveguides for Temperature Independent Lightwave Devices</i> , 21 st July 1994, Vol. 30-No. 15, Electronics Letters		
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Examiner Signature	B. Healy	Date Considered	6/17/04
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Substitute for form 1443A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets necessary)				COMPLETE IF KNOWN	
				Application Number	Unknown
				Filing Date	Herewith
				First Named Inventor	Chi Wu
				Group Art Unit	Unknown 2879
Examiner Name	Unknown Healy				
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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS				
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BWH	76	MAK, G. et al., <i>High-Speed Bulk InGaAsP-InP Electroabsorption Modulators with Bandwidth in Excess of 20 GHz</i> , IEEE Photonics Technology Letter, VOL 2, No.10, Oct 1990, pg 730-733		
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BWH	81	MIRZA, A.R. et al., <i>Silicon Wafer Bonding For MEMS Manufacturing</i> , Solid State Technology, Aug 1999, pg 73-78		
BWH	82	MOERMAN, I. et al., <i>A Review on Fabrication Technologies for the Monolithic Integration of Tapers with III-V Semiconductor Devices</i> , IEEE Journal of Selected Topics in Quantum electronics, VOL 3, No.6, Dec. 1997, pg 1308-1320		
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BWH	85	NEGAMI, I. et al., <i>Guided-Wave Optical Wavelength Demultiplexer Using An Asymmetric Y Junction</i> , Appl. Phys. Lett. 54 (12), Mar 20, 1989; pg 1080-1082		
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BWH	96	OOBA, N. et al., <i>Athermal Silica-Based Arrayed-Waveguide Grating Multiplexer Using Bimetal Plate Temperature Compensator</i> , Electronics Letters, 12 th October 2000, Vol. 36, No. 21, pp 1800-1801		

Examiner Signature	<i>R. Healy</i>	Date Considered	6/12/04
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				Group Art Unit	Unknown-2824
				Examiner Name	Unknown Healy
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BWH	97	RENAUD, M. et al., <i>Compact Digital Optical Switches for Low Insertion Loss Large Switch Arrays on InP</i> , Proc. 21 st Eur. Conf. on Opt. Comm. (ECOC '95-Brussels), pg 99-102	
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BWH	106	SNEH, A. et al., <i>Compact Low Crosstalk and Low Propagation Loss Quantum-Well Y-Branch Switches</i> , PDP 4-1 - 4-5 X	
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Examiner Signature	B. Healy	Date Considered	7/16/04	Examiner Signature	B. Healy
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